

Data Sheet: EP70 PC

MATERIAL: ETHYLENE PROPYLENE 70 SHORE PEROXIDE CURED

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -55°C to +125°C

SPECIFICATION: ASTM D2000 M2DA710A26B36C32EA14F19

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS SHORE A		70+/-5	70
TENSILE STRENGTH, MIN, MPa		10	12.93
ELONGATION, MIN, %		200	286
SPECIFIC GRAVITY, g/cm ³			1.129
A26 HEAT RESISTANCE, 70 hrs @ 150°C			
HARDNESS CHANGE, MAX, PTS	ASTM D573	+10	+3
TENSILE STRENGTH CHANGE, MAX, %	ASTM D573	-20	+5
ELONGATION CHANGE, MAX, %	ASTM D573	-20	-4
B36 COMPRESSION SET			
22 hrs @ 150°C, METHOD B, MAX, %	ASTM D395	40	30
C32 RESISTANCE TO OZONE			
50 ppm, 72 hrs @ 40°C, 20% ELONGATION	ASTM D1171	PASS	PASS
EA14 WATER RESISTANCE 70 hrs @100°C			
VOLUME CHANGE, %	ASTM D471	±5	+1.2
F19 LOW TEMPERATURE RESISTANCE			
-55°C X 3 MIN, METHOD C	ASTM D2137	PASS	PASS

The above test results are based on test slabs / buttons. The results from the actual parts may be different.

Issue Date: 28.09.2016